Enterprise Computing Solutions - Education Services

# OFERTA FORMATIVA

**Detalles de contacto**

Avda Europa 21, 28108 Alcobendas

Email: formacion.ecs.es@arrow.com
Phone: +34 91 761 21 51

# Horizon Deploy and Manage

| CÓDIGO: | DURACIÓN: | Precio: |
|---|---|---|
| OMN_HDM88 | 40 Hours (5 días) | A consultar |

## Description

This five-day course gives you the hands-on skills to deliver virtual desktops and applications through a single virtual desktop infrastructure platform. You build on your skills in configuring and managing Horizon® 8 through a combination of lecture and hands-on labs. You learn how to configure and deploy pools of virtual machines and how to provide a customized desktop environment to end-users. Additionally, you learn how to install and configure a virtual desktop infrastructure platform. You learn how to install and configure Horizon® Connection Server™ Unified Access Gateway™ how to configure a load balancer for use with Horizon, and how to establish Cloud Pod Architecture.

## Objetivos

By the end of this session, attendees should be able to:
• Recognize the features and benefits of Horizon
• Use vSphere to create VMs to be used as desktops for Horizon
• Create and optimize Windows VMs to create Horizon desktops
• Install and Configure Horizon Agent on a Horizon desktop
• Configure, manage, and entitle desktop pools of full VMs
• Configure and manage the Horizon Client systems and connect the client to a Horizon desktop
• Configure, manage, and entitle pools of instant-clone desktops
• Create and use Remote Desktop Services (RDS) desktops and application pools
• Monitor the Horizon environment using the Horizon Console Dashboard and Horizon Help Desk Tool
• Identify Horizon Connection Server installation, architecture, and requirements
• Describe the authentication and certificate options for the Horizon environment
• Recognize the integration process and benefits of Omnissa® Access™ and Horizon 8
• Compare the remote display protocols that are available in Horizon
• Describe the 3D rendering options available in Horizon 8
• Discuss scalability options available in Horizon 8
• Describe different security options for the Horizon environment.

## Público

• Tier 1 Operators, administrators, and architects, responsible for the creation, maintenance, and or delivery of remote and virtual desktop services
• Additional duties can include the implementation, support, and administration of an organization's end-user computing infrastructure.

## Requisitos Previos

Before attending this course, you must have the following skills:
• Use vSphere Web Client
• Create snapshots of virtual machines
• Configure guest customization specifications
• Modify virtual machine properties
• Convert a virtual machine to a template
• Microsoft Windows system administration experience:
• Configure Active Directory services, including DNS, DHCP, and time synchronization
• Restrict user activities by implementing Group Policy Objects
• Configure Windows systems to enable Remote Desktop Connections

## Programa

**1 Course Introduction**
• Introductions and course logistics
• Course objectives
**2 Introduction to Horizon**
• Recognize the features and benefits of Horizon
• Describe the conceptual and logical architecture of Horizon
**3 vSphere for Horizon**
• Explain basic virtualization concepts
• Use vSphere Client™ to access your vCenter Server system and ESXi hosts
• Create, provision, and remove a virtual machine
**4 Create Windows Desktops**
• Outline the steps to install Horizon Agent on Windows virtual machines
• Install Horizon Agent on a Windows virtual Machine
• Optimize and prepare Windows virtual machines to set up Horizon desktop VMs
**5 Create Linux Desktops**
• Create a Linux VM for Horizon
• Install Horizon Agent on a Linux virtual machine
• Optimize and prepare Linux virtual machines to set up Horizon desktop VMs
**6 Creating and Managing Desktop Pools**
• Identify the steps to set up a template for desktop pool deployment
• List the steps to add desktops to the Horizon® Connection Server™ inventory
• Compare dedicated-assignment and floating-assignment pools
• Outline the steps to create an automated pool
• Define user entitlement
• Explain the hierarchy of global, pool-level, and user-level policies
**7 Horizon Client Options**
• Describe the different clients and their benefits
• Access Horizon desktop using various Horizon clients and HTML
• Configure integrated printing, USB redirection, and the shared folders option
• Configure session collaboration and media optimization for Microsoft Teams
**8 Creating and Managing Instant-Clone Desktops**
• List the advantages of instant clones
• Explain the provisioning technology used for instant clone desktop pools
• Set up an automated pool of instant clones
• Push updated images to instant clone desktop pools
**9 Creating RDS Desktop and Application Pools**
• Explain the difference between an RDS desktop pool and an automated pool
• Compare and contrast an RDS session host pool, a farm, and an application pool
• Create an RDS desktop pool and an application pool
• Access RDS desktops and application from Horizon Client
• Use the instant clone technology to automate the build-out of RDSH farms
• Configure load-balancing for RDSHs on a farm
**10 Monitoring Horizon**
• Monitor the status of the Horizon components using the Horizon Administrator console dashboard
• Monitor desktop sessions using the HelpDesk tool
• Monitor the performance of the remote desktop using the Horizon Performance Tracker
**11 Horizon Connection Server**
• Recognize Horizon reference architecture
• Identify the Horizon Connection Server supported features
• Identify the recommended system requirements for Horizon Connection Server
• Configure Horizon event database
• Outline the steps for the initial configuration of Horizon Connection Server
• Discuss the AD LDS database as a critical component of Horizon Connection Server installation
**12 Horizon Protocols**
• Compare the remote display protocols that are available in Horizon
• Describe BLAST
• Summarize BLAST Codec options
• List ideal applications for each BLAST codec
• Describe BLAST and PCoIP ADMX GPO common configurations
**13 Graphics in Horizon**
• Describe the 3D rendering options available in Horizon 8
• Compare vSGA and vDGA
• List the steps to configure graphics cards for use in a Horizon environment
**14 Securing Connections: Network**
• Compare tunnels and direct connections for client access to desktops
• Discuss the benefits of using Unified Access Gateway

• List the Unified Access Gateway firewall rules
• Configure TLS certificates in Horizon

**15 Securing Connections: Authentication**

• Compare the authentication options that Horizon Connection Server supports
• Restrict access to the Horizon remote desktops using restricted entitlements
• Describe the smart card authentication methods that Horizon Connection Server supports
• Explain the purpose of permissions, roles, and privileges in Horizon
• Create custom roles

**16 Horizon Scalability**

• Describe the purpose of a replica connection server
• Explain how multiple Horizon Connection Server instances in a pod maintain synchronization
• List the steps to configure graphics cards for use in a Horizon environment
• Configure a load balancer for use in a Horizon environment
• Explain Horizon Cloud Pod Architecture LDAP replication and VIPA
• Explain Horizon Cloud Pod Architecture scalability options

**17 Horizon Cloud and Universal Broker**

• Recognize the features and benefits of Horizon Cloud Service
• Use Universal broker to connect to a Horizon Cloud instance
• Configure and pair the Horizon Cloud Connector appliance with Horizon Connection Server

**18 Omnissa Access and Virtual Application Management**

• Recognize the features and benefits of Workspace ONE Access
• Recognize the Workspace ONE Access console features
• Explain identity management in Workspace ONE Access
• Explain access management in Workspace ONE Access
• Describe the Workspace ONE Access directory integration
• Deploy virtual applications with Workspace services

## Examen y certificación

• Omnissa Certified Professional Desktop (OCPD)

## Fechas Programadas

A petición. Gracias por contactarnos.

## Información Adicional

Esta formación también está disponible en modalidad presencial. Por favor contáctenos para más información.